



## NOTES

1. ALL THE EQUIPMENT AND INSTRUMENT TAG NUMBERS ON THIS DRAWING ARE PREFIXED BY AREA CODE (16) AND PLANT AREA (01).
2. A DISCREPANCY ALARM SHALL BE PROVIDED AFTER A SPECIFIED TIME DELAY IF THE VALVE FAILS TO MOVE TO THE FAIL SAFE POSITION.
3. A KEY OPERATING LOCKING SYSTEM IS PROVIDED FOR A MULTIPLE PSV ARRANGEMENT. THE SYSTEM IS COMPLY WITH DEP 80.46.30.11-GEN
4. 2003 VOTING SYSTEM
5. FOR DETAILS OF "TYPE 02" REFER LEGEND P&ID NO. 30.99.08.1601 SHT.8/16.
6. COMPRESSOR'S VENDOR SCOPE OF SUPPLY, LOCAL CONTROL PANEL, MASTER CONTROLLER, LOADSHARING CONTROLLER, ANTISURGE CONTROLLER AND ALL THE TRANSMITTERS AND AUXILIARIES TO BE SUPPLIED BY COMPRESSOR VENDOR.
7. FIRST AND SECOND STAGES OF COMPRESSION UTILISE A COMMON DRIVER.
8. DPTIT PAF OFF POINT OF REMOVABLE STRAINER SHALL BE KEPT 30 STRAIGHT RUN LENGTH FROM ANY OF THE DISTURBANCES.
9. REMOVABLE SPOOL
10. TEMPORARY FILTER (STRAINER) ARRANGEMENT IS INSTALLED. THIS STRAINER IS REPLACED WITH NORMAL PIPE AFTER SUCTION PIPE CLEANING IS ACCOMPLISHED.
11. WASHING NOZZLE IN VENDOR SCOPE OF SUPPLY.
12. FOR DETAILS OF "TYPE 01A & 02A" REFER P&ID NO. 30.99.08.1601 SHT.5/16.
13. DELETED.
14. 1ST AND 2ND STAGE OF THE LP COMPRESSOR HAVE A COMMON DRIVER AND THE ESD ACTION FOR THE DRIVER IS REPRESENTED IN THE STAGE COMPRESSOR P&ID NO. 16.01.08.1680.
15. FLARE BRANCHES TO BE CONNECTED TO THE TOP ON THE MAIN HEADER AND OR SUBHEADER 45°.
16. THE HS FOR ACTIONS LIKE START, STOP, START SEQUENCE AND MANY OTHERS ARE REPRESENTED IN THE LOCAL PANEL AND FORMS PART OF THE VENDOR DRAWING.
17. HCB VALVE LOCATED AT HIGH POINT.
18. LINE TO BE CHEMICAL CLEANED.
19. ALARM TO BE GENERATED AT DCS (2003) WHEN VALVE OPEN
20. DELETED.
21. SDV WITH VOLUME BOTTLE.
22. HYDRATE INHIBITOR INJECTION POINTS.
23. FOR CHEMICAL INJECTION NOZZLE DETAILS REFER TO 30.99.08.1601 SHT.3/16.
24. DELETED.
25. COMPRESSOR TO HANDLE 60 MMSCFD AT 105% SPEED
26. STRAIGHT RUN REQUIREMENT SHALL BE MIN. 10D UPSTREAM AND 5D DOWNSTREAM.
27. ALARM SHALL BE DISABLED AFTER REMOVAL OF TEMPORARY STRAINER.
28. NON SLAM CHECK VALVE TO BE PROVIDED AT A MINIMUM DISTANCE FROM COMPRESSOR DISCHARGE NOZZLE.
29. AIVIF ANALYSIS IS TO BE PERFORMED FOR THIS LINE DUE TO HIGH PRESSURE DROP.

HOLDS:

1. REQUIREMENT OF HOT GAS BY-PASS SHALL BE CONFIRMED AFTER DYNAMIC SIMULATION.
2. DELETED.
3. DELETED.
4. DELETED.
5. DELETED.
6. DELETED.
7. DELETED.
8. COMPRESSOR VENT AND DRAIN ARRANGEMENT.
9. STRAIGHT RUN REQUIREMENT SHALL BE CONFIRMED LATER AFTER VENDOR INFORMATION.
10. START-UP TEMPERATURE SET POINT TO BE CONFIRMED BY COMPRESSOR VENDOR.
11. COMPRESSOR INTERCONNECTIONS & UTILITIES TO BE DEVELOPED AFTER AVAILABILITY OF VENDOR INPUTS ALSO THE CONTROL SCHEME.

### DRAWING REFERENCE

TITLE	DRG. NO.
P&ID LEGEND	P16093.30.99.08.1601 SHT. 1 TO 16
P&ID 2ND STAGE SUCTION DRUM V-3610 SAHIL CDS	P16093.16.01.08.1682
P&ID MP FLARE HEADER SAHIL CDS	P16093.16.39.08.1605
P&ID 2ND STAGE COOLER E-3610 SAHIL CDS	P16093.16.01.08.1684

DETAILS SHOWN ARE TYPICAL AND WILL BE UPDATED  
BASED ON PACKAGE VENDOR INFORMATION.

THIS DRAWING IS NEWLY DEVELOPED FOR THIS  
PROJECT NO.P16093

I	10/9/2024	KRA	ABS	SHA	ISSUED FOR CONSTRUCTION
F	7/31/2024	KRA	ABS	SHA	ISSUED FOR DESIGN
E	7/6/2024	KRA	ABS	SHA	RE-ISSUED FOR HAZOP
D	6/3/2024	KRA	ABS	SHA	ISSUED FOR HAZOP
C	3/12/2024	KRA	ABS	SHA	ISSUED FOR APPROVAL
B	2/18/2024	KRA	ABS	MAS	RE-ISSUED FOR REVIEW
A	1/26/2024	KRA	ABS	MEB	ISSUED FOR REVIEW
REV.	DATE	DRN.	CHD.	APD.	DESCRIPTION

SCALE: N.T.S	LOCATION: SAHIL	PROJECT No. P16093
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**أدنوك البرية**  
**ADNOC Onshore**

CONSULTANT / CONTRACTOR / ~~VENDOR~~

DRAWING No.

PROJECT: EPC OF SAHIL PHASE 3 DEVELOPMENT PROJECT

DRG. TITLE: PIPING AND INSTRUMENT DIAGRAM  
2ND STAGE COMPRESSOR K-3610  
EXPORT GAS COMPRESSOR CDS : SAHIL

DRG.No.	16	01	08	1683	1	1 / 1		
	AREA	P/AREA	DOC. CODE	SERIAL No.	REV.	SHT	OF	SHT